

## CLAIMS

1. Microphone with inlet structure comprising a sound duct between an opening in a first face of a microphone casing and a gasket area, whereby the gasket area is  
5 shaped to extend around the opening in the microphone casing and to follow the outline of the first face at least in the area near the opening.
2. Microphone with inlet structure as claimed in claim 1, wherein the sound duct is shaped with a recess above the opening in the first face.
- 10 3. Microphone with inlet structure as claimed in claim 1 and where an acoustic filter is arranged in the sound duct.
4. Microphone with inlet structure as claimed in claim 1, wherein the sound duct is  
15 provided by a first part and a second part, where the first part is adhered to the first face of the microphone and the second part is positioned adjacently to the first part and comprises a resilient rim along the gasket area.
5. Microphone with inlet structure as claimed in claim 1, wherein sealing between the  
20 faceplate and the sound duct is provided by cement or adhesive foil.
6. Microphone with inlet structure as claimed in claim 3, whereby the first part is shaped to extend along the face with the opening and cover said face entirely, and where the second part is shaped to encompass a minor part of said face.
- 25 7. Microphone with inlet structure as claimed in claim 1, whereby the gasket area is shaped to provide packing in an axial direction in relation to the sound duct.
8. Microphone with inlet structure as claimed in claim 1, whereby the gasket area is  
30 shaped to provide packing in a radial direction in relation to the sound duct.

9. Microphone with inlet structure as claimed in one or more of the above claims, whereby the gasket area is shaped to provide packing in an axial direction in relation to the sound duct.